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	Application No.	Applicant(s)	
Notice of Allowability	10/624,899	CHO ET AL.	
Notice of Allowability	Examiner	Art Unit	M/
	Robert Beatty	2852	T 400
The MAILING DATE of this communication of All claims being allowable, PROSECUTION ON THE MERIT herewith (or previously mailed), a Notice of Allowance (PTOL NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATEN of the Office or upon petition by the applicant. See 37 CFR 1	S IS (OR REMAINS) CLOSED ir85) or other appropriate commu IT RIGHTS. This application is s	n this application. If not include unication will be mailed in due	led course. THIS
1. A This communication is responsive to application filed	<u>7/23/03</u> .		
2. ☑ The allowed claim(s) is/are <u>1-10</u> .			
3. \boxtimes The drawings filed on <u>23 July 2003</u> are accepted by the	e Examiner.		
 4. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	have been received. have been received in Application	on No	ation from the
Applicant has THREE MONTHS FROM THE "MAILING DA noted below. Failure to timely comply will result in ABAND THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the re	equirements
5. A SUBSTITUTE OATH OR DECLARATION must be s INFORMAL PATENT APPLICATION (PTO-152) which			NOTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets")	must be submitted.		
(a) including changes required by the Notice of Drafts	sperson's Patent Drawing Review	v (PTO-948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date _	<u></u> •		
(b) including changes required by the attached Exam Paper No./Mail Date	iner's Amendment / Comment or	r in the Office action of	
Identifying indicia such as the application number (see 37 C each sheet. Replacement sheet(s) should be labeled as suc			e back) of
 DEPOSIT OF and/or INFORMATION about the cattached Examiner's comment regarding REQUIREM! 			Note the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☑ Notice of Draftperson's Patent Drawing Review (PTO-9	· -	formal Patent Application (PT ummary (PTO-413),	⁻ O-152)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/	Paper No.	/Mail Date Amendment/Comment	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Depo	. –	Statement of Reasons for All	owanco
of Biological Material	9. Other		OWALICE
		Robert Beatty Primary Examiner Art Unit: 2852	

Application/Control Number: 10/624,899

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1. The following is an examiner's statement of reasons for allowance:

The applicant claims a fusing device comprising a pressure roller and a heating roller wherein the heating roller comprises a heating pipe sealed at both ends, a cylindrical roller surrounding the heat pipe, a heating element disposed between the heat pipe and cylindrical roller, a mechanical unit which imparts mechanical force to the heat pipe, and a working fluid contained within the sealed heat pipe, such that the working fluid is supercooled at room temperature and which cystalizes and produces heat when the mechanical unit imparts mechanical force to the heat pipe which is not disclosed or rendered obvious by the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Lee et al. '080, Lee '896, Lee '917, Lee '515, and Sawamura et al. teach a fusing roller having a working fluid within the interior of a heat pipe. Matsuo et al., Kuroda et al., Matsuo (JP '290), Matsuo (JP '340), and Matsuo (JP '686) teach a

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fixing roller having a layer thereon that cystalizes and produces heat. Wang teach a container having sodium acetate therein which produces heat when agitated.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert Beatty whose telephone number is (571) 272-2130. The examiner can normally be reached on M·F from 9 to 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Arthur Grimley, can be reached on (571) 272-2136. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1782.

Robert Beatty

Primary Examiner

Art Unit 2852